

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1-8. (Canceled)

9. (New) A device for detecting foreign substances in a thread, comprising:

an illumination element that intensively illuminates a thread moving in a longitudinal direction, said illumination element having an end face that defines a plane parallel to said thread, a cavity in said end face having a hemisphere-shaped inner surface that faces said thread, and openings in said surface with light sources; and

a detector disposed on an axis of symmetry extending through the center of the hemisphere defined by said inner surface, for scanning the thread.

10. (New) The device of claim 9, wherein the thread moves perpendicular to said axis of symmetry.

11. (New) The device of claim 9, wherein the axis of each of said openings intersects said axis of symmetry at the center of the hemisphere.

12. (New) The device of claim 9 wherein said inner surface has a white coating to reflect light.
13. (New) The device of claim 9 wherein said light sources emit blue light.
14. (New) The device of claim 9 wherein said openings with light sources are symmetrically distributed around said axis of symmetry.
15. (New) The device of claim 9, further including a cover disposed on the side of the thread opposite said end face.